

# Work Order ID 62097

September 15, 2010 3:27:42 PM



Page 1

Item ID: D3619-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Grommet

Start Date: 9/15/10 Start Qty: 6.00



Cust Item ID:

Required Date: 9/22/10 Req'd Qty: 6.00

Customer:

Reference:

Approvals: Process Plan: CZ Date: 10/9/16

Tooling:

Date:

Run Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #  
Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3619

Rev A

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 12570 Purchase Part Number: 9610K17 Supplier: MC  
MASTER CARR ☐ Certificate of conformity is required

CZ 10/9/16 6

110

0.00



Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure material certification is attached

10/9/20 6

120

0.00



QC6- Inspect dimensions to drawing

QC

Memo

0.00

Quality Control

10/9/20

(+6)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 62097**

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Item ID: D3619-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Grommet

Start Date: 9/15/10

Start Qty: 6.00



Cust Item ID:

Required Date: 9/22/10

Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130



Packaging

0.00

Packaging

Memo

0.00

\*\*\*\*Remove supplier paperwork from box.\*\*\*\*\* ☐ Identify and  
Stock ☐ Location: 575

140



QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

10/9/21 (6)

10/09/21  
MF  
10-9-21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Page 1

Work Order ID: 62097



Parent Item: D3619-1



Parent Item Name: Grommet


Start Date: 9/15/10

Required Date: 9/22/10

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP Rev:A New Issue 07-04-09 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
9610K17  GROMMET		Purchased	No			110	Each	0.0000	1	6		09/15/10	(6)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							4

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

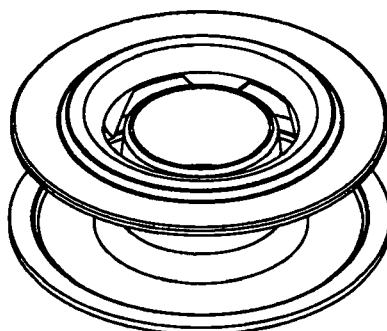
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



DESIGN <i>LE</i>	DRAWN BY <i>LE</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3619</b>	REV. A SHEET 1 OF 1
DATE <b>07.03.26</b>		TITLE <b>GROMMET</b> SCALE NTS	
REV A	DATE 07.03.26	DESCRIPTION NEW ISSUE	

## SPECIFICATION CONTROL DRAWING



**RELEASED**  
07 04 02 #

*CL109/14*  
*w/0.62097*

**D3619-X GROMMET,  
WHERE X REPRESENTS THE GROMMET TRADE SIZE**

DART P/N	TRADE SIZE	DESCRIPTION	HOLE SIZE	MAX. MTL THICKNESS	MCMASTER CARR P/N
D3619-0	0	BRASS GROMMET W/ TEETH	1/4	0.110	9610K16
D3619-1	1	BRASS GROMMET W/ TEETH	9/32	0.120	9610K17
D3619-2	2	BRASS GROMMET W/ TEETH	3/8	0.150	9610K18
D3619-3	3	BRASS GROMMET W/ TEETH	7/16	0.230	9610K19
D3619-4	4	BRASS GROMMET W/ TEETH	1/2	0.300	9610K21

### NOTES:

1) PURCHASE INFO: MCMASTER-CARR P/N'S INCLUDE THE FOLLOWING:

48 GROMMETS FOR SIZE 0 & 1,  
24 GROMMETS FOR SIZE 2, 3 & 4,  
D3619-XT1 HOLE PUNCH,  
D3619-XT2 STRIKER BLOCK,  
D3619-XT3 PUNCH AND  
D3619-XT4 DIE

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO12570

Purchase Order Date 9/15/10  
PO Print Date 9/16/10

Page Number 2 of 2

VU-MCM001

Order From :

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	USD
		FOB	

5	9610K17	GROMMET	9/20/10 Yes	6.00 Each	Purolator ground	\$5.2500	\$31.50
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Special Inst: AS PER DWG D3619 REV. A  
B62097  
MCMaster P/N: 9610K17

6	92311A639	SS SET SCREW	9/20/10 Yes	100.00 Each	Purolator ground	\$0.6619	\$66.19
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Special Inst: AS PER DWG D2747 REV. B  
B62085  
MCMaster P/N: 92311A639

PO Total: \$183.61

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

Change Nbr: 2

Change Date: 9/16/10

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



Purchase Order  
PO12570McMaster-Carr Number  
6391707-01

09/16/2010

100 Aurora Industrial Parkway  
Aurora OH 44202  
30-995-5500  
le.sales@mcmaster.comDart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

LNS A12

Line	Description	Ordered	Shipped		
5	<b>9610K17</b> Military Specification Grommet Kit, with Teeth Washer, Trade Size 1, 5/16" ID, 48 Grommets	6 Each	6	1 - 313	5
	Unit Price:	\$12.90			
	Extended Price:	\$77.40			
3	<b>92311A639</b> Type 18-8 Stainless Steel Cup Point Socket Set Screw, 3/8"-24 Thread, 1" Length, Packs of 10	10 Packs	10	2 - 696	6
	Unit Price:	\$5.91			
	Extended Price:	\$59.10			

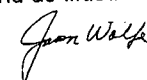
Subtotal

## Charges for this shipment

Merchandise Amount:	\$222.42
Sales Tax:	\$11.13
<b>Total:</b>	<b>\$233.55</b>

## Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog.

Jason Wolfe  
Compliance Manager